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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/621,975	07/21/2000	Noah P. Montena	8958-0026	5489

5409 7590 01/17/2002

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EXAMINER

LUEBKE, RENEE S

ART UNIT	PAPER NUMBER
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2833

DATE MAILED: 01/17/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

## Interview Summary

Application No.  
**09/621,975**

Applicant(s)  
**Montena**

Examiner  
**Renee S. Luebke**

Group Art Unit  
**2833**



All participants (applicant, applicant's representative, PTO personnel):

(1) Renee S. Luebke

(3) Jack Friedman

(2) Arlen Olsen

(4) \_\_\_\_\_

Date of Interview Jan 15, 2002

Type: a) ☒ Telephonic      b) ☐ Video Conference  
c) ☐ Personal [copy is given to 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes      e) ☒ No. If yes, brief description:

Claim(s) discussed: 2 21-25 (attached)

Identification of prior art discussed:  
Holliday '220

Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments:

The proposed amendments are intended to accentuate the difference in the shape and functioning of the compression ring. In particular, the discontinuities seen in Fig. 4. As recited in claims 21-24, these features appear to overcome the prior art. In regard to claim 25 it is unclear how a portion (the first internal bore) adjacent to the tapered wall can perform the deformation.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

i) ☐ It is not necessary for applicant to provide a separate record of the substance of the interview (if box is checked).

Unless the paragraph above has been checked, THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

**RENEE S. LUEBKE**  
**PRIMARY EXAMINER**  
**ART UNIT 2833**

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2833

**TELECOPY MESSAGE**

**FOR:** Examiner Renee S. Luebke

**COMPANY:** PTO

**FROM:** Arlen L. Olsen

**DATE:** 1/14/02

**NUMBER OF PAGES TO FOLLOW:** 4

**MESSAGE:** RE: 09/621,975  
 For our telephone discussion tomorrow, January 15, 2002,  
 at 2:00 p.m.

If you do not receive any of the pages, please call (518) 220-1850

**TELECOPY DESTINATION PHONE NUMBER: (703) 308-7722**

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Examiner R. Luebke  
Art Unit 2833  
Serial No.: 09/621,975  
Inventor: Montena

**PROPOSED AMENDMENT**

2. (Amended) A connector for coupling an end of a coaxial cable to a threaded port, the coaxial cable having a center conductor surrounded by a dielectric, the dielectric being surrounded by a conductive grounding sheath, and the conductive grounding sheath being surrounded by a protective outer jacket, said connector comprising [in combination]:

a. a tubular post having a first end adapted to be inserted into an exposed end of the coaxial cable around the dielectric thereof and under the conductive grounding sheath thereof, said tubular post having an opposing second end;

b. a nut having a first end for rotatably engaging the second end of said tubular post and having an opposing second end with an internally threaded bore for threadedly engaging a threaded port;

c. a cylindrical body member having a first end and a second end, the first end of said cylindrical body member including a cylindrical sleeve having an outer wall of a first predetermined diameter and an inner wall, the inner wall bounding a first central bore extending about said tubular post, the second end of said cylindrical body member engaging said tubular post proximate the second end thereof, said cylindrical sleeve having an open rear end portion for receiving the outer jacket of the coaxial cable, said open rear end portion being deformable;

d. a compression ring having first and second opposing ends and having a central passageway extending therethrough between the first and second ends thereof, the first end of said compression ring having a first internal bore of a diameter commensurate with the first predetermined diameter of the outer wall of said cylindrical sleeve for allowing the first end of said compression ring to [extend over] slidably engage the first end of said cylindrical body member, the central passageway of said compression ring including an inwardly tapered annular wall leading from the first internal bore and narrowing to a reduced diameter as compared with the first predetermined diameter; and

e. said inwardly tapered annular wall causing said [rear] first end portion of said cylindrical sleeve to be deformed inwardly toward said tubular post and against the jacket of the coaxial cable as said compression ring is advanced axially over the cylindrical body member toward the second end of said cylindrical body member.

OK 21. (New) The connector of claim 2, wherein the first end of the compression ring linearly slidably engages the first end of the cylindrical body member.

22. (New) A connector for coupling an end of a coaxial cable to a threaded port, the coaxial cable having a center conductor surrounded by a dielectric, the dielectric being surrounded by a conductive grounding sheath, and the conductive grounding sheath being surrounded by a protective outer jacket, said connector comprising [in combination]:

- a. a tubular post having a first end adapted to be inserted into an exposed end of the coaxial cable around the dielectric thereof and under the conductive grounding sheath thereof, said tubular post having an opposing second end;
- b. a nut having a first end for rotatably engaging the second end of said tubular post and having an opposing second end with an internally threaded bore for threadedly engaging a threaded port;
- c. a cylindrical body member having a first end and a second end, the first end of said cylindrical body member including a cylindrical sleeve having an outer wall of a first predetermined diameter and an inner wall, the inner wall bounding a first central bore extending about said tubular post, the second end of said cylindrical body member engaging said tubular post proximate the second end thereof, said cylindrical sleeve having an open rear end portion for receiving the outer jacket of the coaxial cable, said open rear end portion being deformable;
- d. a compression ring having first and second opposing ends and having a central passageway extending therethrough between the first and second ends thereof, the first end of said compression ring having a first non-tapered internal bore of a diameter commensurate with the first predetermined diameter of the outer wall of said cylindrical sleeve for allowing the first end of said compression ring to extend over the first end of said cylindrical body member, the central passageway of said compression ring including an inwardly tapered annular wall leading from the first internal bore and narrowing to a reduced diameter as compared with the first predetermined diameter; and
- e. said inwardly tapered annular wall causing said [rear] first end portion of said cylindrical sleeve to be deformed inwardly toward said tubular post and against the jacket of the coaxial cable as said compression ring is advanced axially over the cylindrical body member toward the second end of said cylindrical body member.

23. (New) A connector for coupling an end of a coaxial cable to a threaded port, the coaxial cable having a center conductor surrounded by a dielectric, the dielectric being surrounded by a conductive grounding sheath, and the conductive grounding sheath being surrounded by a protective outer jacket, said connector comprising [in combination]:

a. a tubular post having a first end adapted to be inserted into an exposed end of the coaxial cable around the dielectric thereof and under the conductive grounding sheath thereof, said tubular post having an opposing second end;

b. a nut having a first end for rotatably engaging the second end of said tubular post and having an opposing second end with an internally threaded bore for threadedly engaging a threaded port;

c. a cylindrical body member having a first end and a second end, the first end of said cylindrical body member including a cylindrical sleeve having an outer wall of a first predetermined diameter and an inner wall, the inner wall bounding a first central bore extending about said tubular post, the second end of said cylindrical body member engaging said tubular post proximate the second end thereof, said cylindrical sleeve having an open rear end portion for receiving the outer jacket of the coaxial cable, said open rear end portion being deformable;

d. a compression ring having first and second opposing ends and having a central passageway extending therethrough between the first and second ends thereof, the first end of said compression ring having a first constant diameter internal bore of a diameter commensurate with the first predetermined diameter of the outer wall of said cylindrical sleeve for allowing the first end of said compression ring to extend over the first end of said cylindrical body member, the central passageway of said compression ring including an inwardly tapered annular wall leading from the first internal bore and narrowing to a reduced diameter as compared with the first predetermined diameter; and

e. said inwardly tapered annular wall causing said [rear] first portion of said cylindrical sleeve to be deformed inwardly toward said tubular post and against the jacket of the coaxial cable as said compression ring is advanced axially over the cylindrical body member toward the second end of said cylindrical body member.

24. (New) A connector for coupling an end of a coaxial cable to a threaded port, the coaxial cable having a center conductor surrounded by a dielectric, the dielectric being surrounded by a conductive grounding sheath, and the conductive grounding sheath being surrounded by a protective outer jacket, said connector comprising [in combination]:

a. a tubular post having a first end adapted to be inserted into an exposed end of the coaxial cable around the dielectric thereof and under the conductive grounding sheath thereof, said tubular post having an opposing second end;

b. a nut having a first end for rotatably engaging the second end of said tubular post and having an opposing second end with an internally threaded bore for threadedly engaging a threaded port;

c. a cylindrical body member having a first end and a second end, the first end of said cylindrical body member including a cylindrical sleeve having an outer wall of a first predetermined diameter and an inner wall, the inner wall bounding a first central bore extending about said tubular post, the second end of said cylindrical body member engaging said tubular post proximate the second end thereof, said cylindrical sleeve having an open rear end portion for receiving the outer jacket of the coaxial cable, said open rear end portion being deformable;

d. a compression ring having first and second opposing ends and having a central passageway extending therethrough between the first and second ends thereof, the first end of said compression ring having a first internal bore of a diameter commensurate with the first predetermined diameter of the outer wall of said cylindrical sleeve for allowing the first end of said compression ring to extend over the first end of said cylindrical body member, the central passageway of said compression ring including an inwardly tapered annular wall leading from the first internal bore and narrowing to a reduced diameter as compared with the first predetermined diameter, wherein the compression ring is not attached to a threaded member; and

e. said inwardly tapered annular wall causing said [rear] first end portion of said cylindrical sleeve to be deformed inwardly toward said tubular post and against the jacket of the coaxial cable as said compression ring is advanced axially over the cylindrical body member toward the second end of said cylindrical body member.

25  
24. (New) A connector for coupling an end of a coaxial cable comprising:

a. a tubular post;

b. a nut for rotatably engaging the tubular post;

c. a cylindrical body member having a first end and a second end, the first end of said cylindrical body member including a cylindrical sleeve, said cylindrical sleeve having a deformable open rear end portion for receiving the coaxial cable;

1123  
d. a compression ring having first and second opposing ends, the first end of said compression ring having a first internal bore of a diameter commensurate with the first predetermined diameter of the outer wall of said cylindrical sleeve for allowing said compression ring to slidably engage and deform the first end of said cylindrical body member, said compression ring including an inwardly tapered annular wall leading from the first internal bore and narrowing to a reduced diameter as compared with the first predetermined diameter.